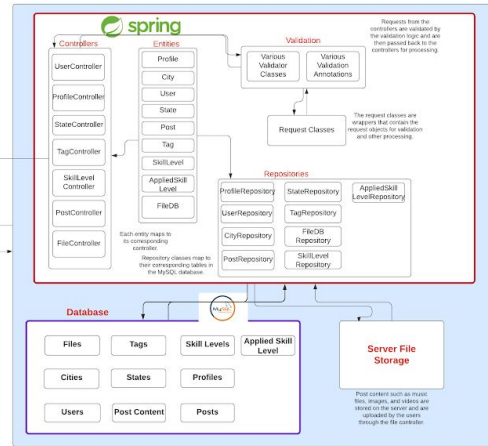
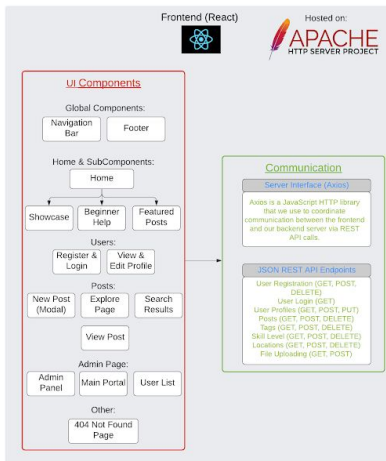


Block Diagram

BandMixer

CY_01

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Design Description:

Users:

The user entity and user controller are used for managing the list of users registered on our web service. The user controller is responsible for adding, removing, updating, and logging in our users. The user entity itself contains all necessary information for a user, including its ID number, username, email, and encrypted password.

Locations:

The location functionality is separated into two entities, states and cities. Each state has a list of cities associated with it, and each city has a state that it is attached to. The state controller is responsible for adding, removing, and updating the list of states in our system.

Posts:

The post functionality is heavily linked to the tagging system we have in place. The post entity contains all the information needed to construct a post on the front end. This includes the type of post, the content of the post, any media that the post contains, etc. Each post can also have a number of tags associated with it in order to facilitate searching. For instance a user can search for posts that are marked with tags “expert” or “guitar player” in order to easily find what they are looking for.

Profiles:

Profiles are simply an extension of posts. They are also able to have tags associated with them in order to facilitate easy searching. Profiles also contain contact information for the user, such as their phone number, as well as their location.

Tags:

The tagging system is the core of our web service. This is what enables users to easily search for potential band mates. All tags are stored in a tag database and are able to be accessed and applied to any post. As mentioned earlier, the tags are then used as a type of search filtering.

